

ABSTRACT OF THE DISCLOSURE

A digital amblyopia image aid system provided with individually adjustable function, the structure thereof at least consists of an original image input, a system processing center and an image output after adjusting, wherein the characteristics is the said system processing center can adjust on vision according to individual amblyopia patient, and simulate the image seen by the vision disabled through linear and non-linear method to determine and adjust the suitable image contrast intensification parameters according to users' image intensification effect requirement to enhance the image contrast information and provide optimal image effect, and the said system can be applied in electronic magnification system, added with internet function, making it become class instruction reading system for the vision disabled, while the digital signal processor(DSP) is used for outdoors and convenience increasing, which adds exclusive image contrast intensification function into portable aid to bring more convenience and practicability for the vision disabled.